Volume LI-No. 3

CAMBRIDGE, MASS., MONDAY, FEBRUARY 16, 1931

Price Five Cents

BEAVER FIVE WINS HANDILY FROM ST. MICHAEL'S, 38-26

Feustel Leads Team Scoring In Unexciting Saturday Night Game

ENGAGE WILLIAMS NEXT

McCarthy's New Lineup Is Successful-Better Team Play

In a game that was well played but lacking in thrills and fast moments. the Technology basketeers defeated St. Michael's School last Saturday night by the decisive score of 38-26. The Engineers showed a superiority throughout, and after the first few minutes of the game were never really threatened.

Both teams opened slowly, St. Michael's taking a three point lead on field and foul goals, only to have the Beavers immediately tie it up. After the former had again assumed the advantage and again had it overcome, M. I. T. went into the lead never to be headed throughout the remainder of the game. They slowly piled a ten point lead and held approximately the same until the end. At the half, the count was 22-12.

Feustel High Scorer

ankle, was the high scorer for the victors, and with Harrison, was the outstanding man on the floor. Coach McCarthy shifted the former forward to a guard position, but he could not be kept out of the scoring even though he was playing on the defense. He accounted for fourteen of his team's Some contributions of organic points, which included six field goals chemistry to daily life" was the subpenalty shots, and Motter followed experiments. with two of the former and five of study, Dr. H the latter.

center, and Devine, right forward led their team. The team as a whole played a rather slow game, but as this was the third game in three days for them, this might have been responsible for the nature of their play.

This week will be a busy one for the Technology five, which will meet the United States Department of Williams Wednesday night and Clark Saturday. As a preliminary to the Williams game, the Beaver yearlings will encounter the Boston Boys Club, (Continued on Page Thire)

Lowell Institute Begins Lectures

Harvard Professor to Speak On Current Problems Of Government

This year a series of six lectures on various subjects of immediate interest will be presented by Lowell Institute beginning tonight and running each Monday and Thursday until March fifth. These lectures, as usual will be free and tickets to any or all of them may be had by writing to the Curator of the Lowell Institute.

Professor Charles H. McIlwain of Harvard who is the lecturer will treat six different phases of government and law, which will be divided as follows: Freedom and Slavery, Property, Law, Government, Church and State and the Beginnings of the Modern World. Each lecture will be the result of years of study and experience on the part of Professor McIlwain and will be of considerable interest to students.

In attending the lectures promptness is advisable as the doors are closed exactly at eight. On the first night. the tickets secured by mail may be exchanged for a reserved seat for the entire course. At Huntington Hall, where the course will be held, the doors will be open each night at 7:30.

PROFESSOR NORRIS TO SPEAK AT BOWDOIN

Professor James F. Norris of the Department of Chemistry will de-liver three scientific lectures at Bowdoin College during this semester under the auspices of the Bowdoin department of Chemistry. It will be the second appearance of Professor Norris at that institution, having fulfilled a similar engagement two years

Walker Lounges Come Forth From Darkness

Merrymakers who attended the beauty of the fire places.

Then to make the situation even more tragic the other switch in the room has been left unchanged, and as the older men stroll in with their friends they naturally reach to extinguish all brightness. This action, instead of restoring the usual darkness only adds to the glare by lighting the ceiling lamps.

Huntress Lectures To Large Crowd on Organic Chemistry

Address Is Illustrated With Unusual Slides and Experiments

Approximately 30,000 carbon compounds are known today and compared with 30,000 which represents all the other known compounds, the figures are enormous and show the Feustel, though playing on weak immensity of the organic division of chemistry. In fact the number is being increased daily, explained Professor Ernest H. Huntress, of the department of chemistry, yesterday afternoon before a large audience in Room 10-250 as the third Art Society speaker.

and two foul. Captain Harrison was ject of the address illustrated by many next in total with four floor and two slides and intricate and interesting As a result of long study, Dr. Huntress pointed out, organic chemists are now able to pre-For the St. Michael's five, Sears, the pare new substances which will have any desired characteristics and which can be predicted in advance. In oth er words, new materials having properties to fit given needs can often be synthesized deliberately.

> Manufacture of Dyestuff Large fifteen dyes are certified by (Continued on Page Four)

MULLER TO SPEAK TO PHYSICS SOCIETY

Lecture on Colloids Will Be Given at Friday Meeting

Colloids will be the subject of an address by Professor Hans Muller of the Physics Department, to be given to the undergraduate Physical Society on Tuesday, February 17, at 5 o'clock in room 4-231. All who are interested in Physics are invited to attend this ilustrated lecture.

Dr. Muller came to the Institute in 1925 from The Swiss Institute of Technology where he had studied under Debye and Scherrer, presenting his thesis of Crystals and Colloids. He has since done much work on these subjects as well as on electrolytes and bipolar crystals.

The Physical Society through its president, John P. Elting, also wishes will address the society on some

last few affairs held in the Main Hall of Walker were surprised to find that the usual cozy comfort of the lounges was somewhat marred by the presence of a new switch which makes it more or less impossible to turn out the lights. Just why people want to turn out lights is not very well understood, but there is a theory that too much electric illumination spoils the

Of 28 Points

Witzig, the Olympic gym star, who is now a student at N. Y. U., carried the greater part of the strain in defeating M. I. T. in the Walker Gym last Friday afternoon. The final score was 28-26, with nineteen of the N. Y. U. points being to the credit of placed in each of the five events he entered. Abbott carried the tumbling honors by a large margin, and Ericson won in the rope climb, and made it clear that there are few men who will be able to beat him this season.

N. Y. U. started off with a series of wins, and the Beavers were left holding the bag, but as the time wore on. more and more men took places, and the final score really was the result of the last half of the meet. Captain Knapp entered only two events, one of them being the side horse, in which Witzig and Glant, both of N. Y. U., excelled. He was able to turn in only a second and a third, the second being in the rope climb.

Lawsine has continued to show what a green man may accomplish, if he can apply himself, having placed second only to Witzig in the flying (Continued on Page Three)

ARTHUR H. MERRITT TALKS AT RECEPTION

Colored Slides of Northwest Region of America Shown

Featuring a talk by Mr. Arthur H. Merritt, President and Mrs. Compton twenty foreign students at the Institute at their home, Saturday evening. The talk was on the Northwest region of America and was accompanied by a large and vareid number of colored

After the supper several groups of German songs were sung which were then followed by a short program presented by two Russians playing on the native musical instrument of Russia. Mr. Merritt's talk followed the around 10 o'clock in the evening. A few members of the Faculty and their

LETTERS FOR T. C. A. **HELP GO TO FACULTY**

wives were present to help with the

entertaining.

Mass Meeting Wednesday in Walker Will

Close Drive of THE TECH for Candidates

Culminating with a mass meeting Wednesday afternoon at five

o'clock in the West Lounge of Walker Memorial, a drive is being

held for the purpose of filling various positions which are now

open in the different departments of THE TECH. While the pur-

pose of the drive is primarily to secure new men for the News,

Sports, and Features Departments, there are many opportunities

awaiting the men who may wish to enter into the Business De-

partments. Work in all departments is conducted along a strictly competitive basis and leads to positions on the Associate Boards

in the Junior year and on the Managing Board in the Senior

a special invitation is extended to transfer students, Sophomores,

freshmen, and particularly those taking the new course in

Journalism. These men will have every chance to advance to

managing positions in future years, as many of the departments are now feeling a scarcity of candidates. The fact that they

have not been connected with the paper during the past term

will not handicap men who show sufficient ability and promise.

Previous experience is not a requisite.

While this competition is not limited to any group of men,

Five hundred and ninety-six letters will go out tomorrow to members of the Faculty and Corporation, signed by Horace S. Ford, and soliciting contributions for his fund for the T. C. A. This is an annual event and in the past about 53 percent of the Faculty and 73 percent of the Corporation to announce that President Compton have contributed. The average Faccontribution has been \$3.55, branch of modern Physics on Febru- while the gifts from the Corporation be turned into a veritable flower garaveraged \$17.90.

FOUR HUNDRED ATTEND DORM DEDICATION DINNER AND DANCE

BEAVERS LOSE TO N.Y.U. IN CLOSEST MEET OF SEASON

Witzig Is Backbone of New York Team, Taking 19

WINS THREE FIRST PLACES

Dam, Iron and Steel, and Other Subjects February's issue of the T. E. N contains a wide variety of articles on engineering and scientific subjects including several treatises on iron and steel, a detailed account of the Hoo-

ver Dam construction, and a descrip-

tion of Professor Elihu Thomson's

contribution to telescopy. The issue

Subject Matter of

February T. E. N.

Contains Articles on Hoover

will be out today. Every astronomical enthusiast will He took three firsts, and be interested in the lead article on "A Two-Hundred Inch Astronomical Mirror" by John W. Hammond of the ton. Professor Samuel C. Prescott '94, General Electric Company. He describes the work of Professor Elihu Thomson, Director of the Thomson Research Laboratory, in connection with the two hundred inch mirror for the California Institute of Technology's telescope. This mirror, when completed, will be twice the size of the largest existing one at present | and its exacting dimensions and great the recently completed group, Wood. oulk involve tremendous difficulties in The classes of '93 and '01 chose the

> and steel industry are thoroughly disussed in the articles, "Obsolesence in the Iron Industry," "Quantity Produc-tion of Wrought Iron" and Tailor Made Steels." One of the most interesting treatises included in the issue is W. A. Adkins' story of the Hoover Dam which is accompanied by an illuminating diagram of the dam construction and neighboring typography that immensely aids the conception of this inge project.

The issue also contains an article on High Speed Diesels, a historical sketch on bridges and the usual monthy features which complete the magazine.

Prom Committee Extends Signups

Tuesday With 200 Mark Already Passed

Signups for this year's Junior Prom are being made in greater numbers program and the affair broke up than usual so that after only a three Dinner and Meeting Will Be day sale they are nearly sold out. On Saturday afternoon 200 reservations had already been made of the 250 to which the dance is limited. Of these 165 had already been paid for.

The sales will continue for the first part of the week and any one planning to go and not yet signed up is urged to do so immediately as the term consist of a presentation of techquota will soon be filled. A member of the committee will be stationed in ganization. The first of these meetthe Main Lobby in front of the in- ings will be held this week on Thursformation office today and tomorrow for these last signups.

Negotiations are being made with a prominent Boston florist for decorations. They will be very extensive and Walker Memorial is expected to

WILL HOLD TRYOUTS FOR DRAMASHOP PLAY

Moliere Play "George Dandin" To Be Produced in April

Tryouts for the next Dramashop production, "George Dandin," a play by Moliere, will be held on Tuesday February 17, in Room 2-178 at five o'clock. The play, which is seldom acted in America, will be given on April 9, 10, and 11 in the Commons Room of the Rogers Building. Its nature corresponds to the Russian play 'Marriage" which aroused considerable interest when presented by the Dramashop at their first offering for

the school year. The cast is composed of five male and three female parts. Opportunity to become a member of the cast is not limited to Dramashop members, and any student of the Institute may tryout for parts.

NEW DORM GROUPS NAMED IN HONOR OF Is Widely Varied NOTED GRADUATES

Goodale, Munroe, Hayden, Wood, Bemis and Walcott Are Names Chosen

LOUNGE IS BURTON ROOM

Charles W. Goodale '75, James P. Munroe '82, Charles Hayden '90, Kenneth F. Wood '94, Albert F. Bemis '93, and William W. Walcott '01 were the names chosen for the new dormitory units at the Dedication Banquet and Dance held Friday night in the Main Hall of Walker Memorial. Following the speech of President Karl T. Compchairman of the committee chosen to designate the dormitories, announced the names of the new houses.

He disclosed that the first unit in the group, the one that contained the common lounge and social room would henceforth be known as Munroe, the one adjacent. Hayden, and the last in names of the dormitories donated by them and their choices are Bemis Three different phases of the iron '93 and Walcott '01. The remaining section was given the name of Goodale

Commons Room Named

"The great commons room of the dormitories," Dr. Prescott announced, is to be called the Burton Room, in honor of Dr. Alfred E. Burton, former dean of students and who for years labored zealously for the establishment of dormitories and for student government at Technology." Tablets will be erected, he stated. one for Dr. Burton and the other for the Alumni who contributed toward the building fund. These tablets will be placed in view on the panels of the Burton Room.

Over four hundred guests were pres ent at the dedication and later sat down to a seven course steak dinner. Members of the Corporation, members of the Alumni Council, members of Campaign Continues Through the Dormitory Board, The Dean's Hos-(Continued on Page Four)

A. I. E. E. To Have Papers Presented

Held in North Hall of Walker Memorial

Following the usual custom, the Technology Branch of the American Institute of Electrical Engineers will have its meetings during the second nical papers by members of the orday. February 19 at 5:30 o'clock in the North Hall of Walker Memorial.

The meeting will be launched with a dinner. Immediately after the dinner papers will be presented by K. J. Germeshausen '31 on "Illumination and Color" and by A. Earl Cullum '31 "Broadcasting Development." These papers are the result of careful preparation and are eligible to enter the contest for the National A. I. E. E. Prize offered yearly for the best student paper. After the presentation the meeting will be open for discussion on the topics covered by the papers.

Tickets for the meeting will be at the nominal fee of sixty cents and may be secured from members of the Executive Committee or from Miss Hunt at Room 4-203, before noon of Vednesday, February 18.

THE TECH Launches Subscription Campaign

Beginning today and continuing through Wednesday THE TECH will conduct a campaign for the purpose of selling subscriptions to the paper. These will be sold at the reduced rate of \$1.25 and will be good for the remainder of the Spring Term.



Official News Organ of the Undergraduates

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UNFORTUNATE IMPARTIALITY

H. R. Plass '34

THE February examinations and the subsequent reports brought into full functioning the new Cumulative Rating System, which is reputed to be one of the most satisfactory of all undergraduate grading programs. However, there seems to be sufficient reason to believe that the system is not as fair to the student as it might be.

In the first place, the ratings are figured on the various marks which divide the percentages into units of ten. This is a direct injustice to the man who obtains a percentage mark just below the division above. In other words, the man with an average of 69% will be rated identically with the man who averages 60%, and since that rating may determine whether he graduate or not, it gives an interpretation of his standing which may prove his disaster.

In the second place, there are cases where the rating system does not sufficiently stress the range of a man's grades. A student with a few high marks along with several "barely passes" receives the same rating as the student whose grades are all within his average. The average student, that is, the student who receives like grades in nearly all of his courses, shows steadiness and diversification of his capabilities, while the man who receives high and low marks at the same time shows one-sidedness. Does it seem fair, therefore, that each of these men be placed within the same rating?

It is admitted that the formulating of a fair marking system is probably the greatest problem presented to the authorities of a school, and it is also admitted that the present Cumulative Rating System is the most satisfactory of any plan introduced at the Institute. However, it seems that a few changes might be made, so the system would be fairer to the average student and especially to the student "on the line."

FITTING MONUMENTS

THE naming of the dormitories at the dedication ceremonies last Friday evening carries a significance which is to be valued by the Institute as a whole for years to come. It is most appropriate that the names of men of unquestionable devotion to the life of Technology be placed in some conspicuous position, showing our full appreciation of their loyalty.

Almost every school in the country must depend to some extent upon the generosity of its alumni and friends to finance the continual growth and improvement of its plant and its supplies. No school with a reputation as wide and a plant as large as those of Technology is able to operate on the income received from the tuition, and at the Institute itself, the tuition pays for little or none of the upkeep of the school. However, the Institute has never wanted for loyal supporters and donors for any just movement. During the past fifteen years the Alumni have been called upon several times to contribute toward some fund, and in every case the drives have been successful.

We are most fortunate in having so loyal an Alumni group, and it is altogether fitting and proper that through some means we attempt to materialize our gratitude. The dedication of the dormitories, that part of the school which is closest to student sympathy, to the remembrance of these men is the most appropriate honor which the Corporation might have selected. The dormitories now stand as a monument to men to whom the Institute is deeply indebted, and represent our esteem and respect for men whose interest in the progressiveness of Technology is inestimable.

Comprehensive Examination Given **Increased Status For Honor Group**

Examiners to Senior **Honor Students**

By recent action of the Faculty the usual second term senior year examinations and quizzes have been entirely waived for honor students in the Department of Electrical Engineering in favor of a comprehensive examination. A two-week period has been set aside near the end of the year for this purpose. side examiners, invited from other educational institutions and from industry, in collaboration with deputed members of the Institute staff, will originate and administer the examination. It will cover the entire field of study of each honor student, not merely by means of a variety of isolated questions, but largely by means of questions and problems in themselves more or less comprehensive.

After a number of years of trial on a smaller scale, the comprehensive examination for these students has been given increased status and enlarged opportunity for effectiveness, in the hope that it will serve not only to tell how well they have succeeded in their work, but primarily as an influence upon their attitudes toward

AWAY FROM THE GRIND

After a week spent in the strennous activity of registering and beginning the second term's work, students at Technology had a week-end well sprinkled with social functions.

One large banquet and dance and several smaller formal affairs occupied the attention of those socially in-

The formal banquet and dance held Friday evening at which the newly chosen names of the dormitories were announced was the largest social activity. More than 400 attended the banquet in the Main Hall of Walker Memorial, visited the dormitories which were open for the occasion, and later enjoyed dancing.

The several fraternity banquets held in conjunction with the formal initiation of new members after a week of informal activity completed the list of social functions.

Epsilon Theta chapter of Sigma Nu held its formal initiation and ban quet at the Engineers' Club Saturday evening. Eleven new men were initi-Speakers at the banquet were prominent alumni of Boston.

Phi Kappa Sigma held its formal initiation and banquet at the chapter house on Beacon Street Saturday afternoon and evening. Seven men were initiated at this time. than forty alumni and members of the active chapter were present at the banquet after the ritual.

Theta Chi formally initiated eight new men Saturday evening at the chapter house on Beacon Street where proximately forty attended the banquet at which the speakers were alumni of the local chapter.

Beta Upsilon chapter of Beta Theta Phi held its annual initiation banquet Saturday evening at the Statler and received six new men into its or ganization. Speakers at the banquet were representatives of the fraternity from St. Lawrence University

Sigma Alpha Epsilon initiated four new members at its formal initiation bold Saturday evening at the chapter house. After the initiation a banquet was held at which the principal peakers were alumni of the local

Phi Gamma Delta held its annual nitiation Saturday evening, and at hat time received eleven new men into its ranks. Alumni members of the raternity were speakers at the banquet held at the chapter house.

Kappa Sigma initiated eleven new men at its formal initiation and banquet held in the chapter house Satur Speakers at the banquet were alumni of the Technology chapter of the fraternity.

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Tests to Be Given by Outside study during their whole undergrad-

In order to test the desirability of

Desirability of Change Tested

decreasing the requirements for in termediate examinations, a junior honors student, John C. Gibson '32, of Bennington, Vermont, has been granted freedom from examinations and quizzes for the remainder of his undergraduate course of study, at the end of which time he will be given a comprehensive examination especially designed for him. Mr. Gibson entered the Institute from Bennington High School, and has made a notable record in his freshman and Sophomore

The Honors Group Pian was created in recognition of the fact that all men are not intellectually equal. Education in this country has often been criticized for being planned to meet the needs of the average student and making little or no adequate provision for students of unusual brilliance. The Honor Plan is an extension of the plan for sectioning, according to mental speed long in use at the Institute, though this system is more comprehensive, affecting all subjects of instruction taken by students in Electrical Engineering in the junior and senior years whether given by this Department of any other.

Primarily, the plan has the purpose of stimulating resourcefulness, and instilling a spirit of self-reliance and intellectual courage in students of exceptional ability by creating an independent atmosphere of work and a flexibility designed to meet individ ual needs.

Idea Based on Oxford System

Although the idea is based on the Oxford system, it has been extensive ly adapted and changed to suit the needs of the Institute. Differences of tradition, temperament, and environment existing between the people of this country and England make the transplanting of the English method in form undesirable. It is the fundamental principle of the Oxford plan only, that of the sense of responsibility, spirit of self-reliance, and initiative which comes from giving appropriately chosen students ample opportunity to develop these qualities, which is used as the basis of the Technology plan.

In his article on the Honors Group Plan in "The Tech Engineering News" for April, 1930, Richard H. Frazier '23, of the Electrical Engineering Department, says, "The introduction of educational processes designed to meet the needs of the exceptional does not mean the withdrawal of processes found to be suited to the average. But to insist that the same educational process must serve for all, or that the same educational opportunity is due to all by right is to ignore the fact that all men are created dependent and unequal. It seems fundamental that educational processes can be relied on for effectiveness only in so far as they take into account the circumstances of those to be educated.

The first Honors Group in Electriestablished n the fall of 1925 for the Class of 1927. The system works in the following manner: Students are chosen for the Honors Group of their class at the end of the Sophomore year from those who apply for the privileges, selections being made largely on the ability of the students as shown by their previous records, especially in mathematics, physics, chemistry, and applied mechanics, and the work in principles of electrical engineering up to the time of selection.

Students in the honors group are

privileged to attend the class ex cises of the regular subjects or n as they individually please. Corr ponding leeway is given to the signed practice problems they me do. A certain amount of regular we is required of them and they ma attend all previously announced wa ten quizzes, and pass the usual te examinations with distinction.

Laboratory work is also slightly of ferent from that done by the regul (Continued on Page Four)



Most PRINCETON men smoke-

TF you walk along Prospect Street I in Princeton you'll notice how many men load their pipes from the familiar blue Edgeworth tin. At Senior Singing on the steps of Nassau Hall this spring the pipes will glow with Edgeworth.

A pipe and Edgeworth-this is the smoking combination that has won the college man. Yale, Dartmouth, Cornell, Illinois, Stanford ... all agree with Princeton.

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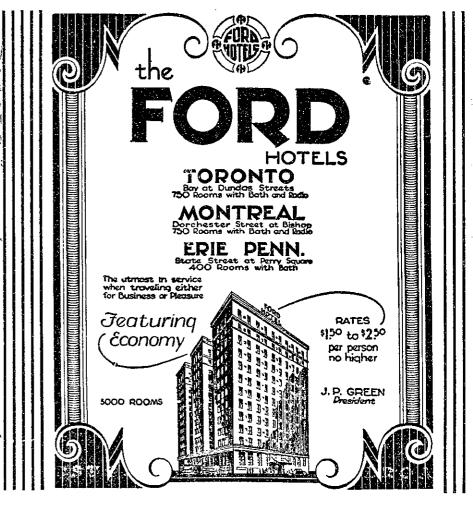
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humidor tin.





FRESHMAN RELAY TAKES SECOND IN **B.A.A. ARENA MEET**

Bell Not Given Credit For Win In 40-Yard Dash Due to Judges' Error

GILMAN THIRD IN 2-MILE

Against the stiff competition of the leading collegiate track stars, the Technology team ran a series of races at the B. A. A. games in the Boston Arena Saturday evening to be disappointed in the strongest of its hopes, the relay. After leading the field for three laps, the M. I. T. man fell, and before he was able to recover himself, was passed by the Princeton man, the time of 1 minute, 2 and 2-10 secand then by Dartmouth. From the spectators' point of view, the team was finished, but the Beaver anchor man, Jewett, took the baton, and continued Rosas' fine job of making up lost

For the yearlings' the relay squad ran a smart race, and would have taken the tape at the finish, if there hadn't been any anchor man on the Harvard team. Winthrop Hasler, the Harvard man who carried the baton across the finish line, made up fifteen vards on the Dartmouth runner, and ten on the Technology man, while Technology passed Dartmouth, and was set for a strong winning finish. Hasler's lap brought the stands to their feet, and his tornado drive for the victory turned pandemonium loose in the Arena, such as was not inspired by any other event.

Schwarz Runs Good Race

Schwarz, the Beaver anchor man, ran a beautiful lap, and had he been in his usual shape, there would have been no chance for either the Dartmouth or the Harvard teams. During the last week, Schwarz has been going through initiation and on this account, was unable to stand the terrific pace set by himself at the start of his lap.

Rosas was spilled on a corner in the Varsity relay, which was the scene of many other teams' defeats, several other falls having taken place there on the same afternoon and evening. The result of every race depends not only upon the speed of the men, but also upon their luck in passing this

Gilman Takes Third in Two Mile Don Gilman, running as lone repre-

sentative of M. I. T. in the two mile, came in third, following the leader by less than ten yards, to make himself the third fastest man in the N. E. A. A. U. two mile runners. Similar to the other disappointments of the afternoon, was the 40-yard dash, which was won by Bell, as declared by all the spectators, but for which the credit went to Linwood Pattee of B. U. For some unknown reason, the judges failed to see Bell, as he drove over the finish, and he was not even given a place.

Dartmouth is the next opponent of the freshman relay team which will travel to Hanover on February 28, and the men running will be decided at the track next Saturday afternoon, in a short competition. In addition to the oncoming meet with Dartmouth. there is an inter-class title to take place Saturday afternoon. March 7, and on March 4, a freshman meet with Huntington School against the men who won the schoolboy championship last Saturday afternoon at the Arena.

ORLEMAN WINNER IN YALE BOXING MEET

Varsity and Freshman Teams Both Defeated by Eli

Although short two men on the Varsity and one on the freshman teams, the Technology boxers put up a game fight against Yale Saturday night, but all to no avail. The former lost by the score of six to one and the yearlings, five to two. Orleman, the Varsity 115 pounder, kept up his good record for the season by decisively defeating Thomas of Yale.

In the other classes, Kalman and Cooper were the only M. I. T. men to make a good showing. Hartman, the Eli 125 pounder, was given the decision over Kalman but the judges' choice was unpopular with even the Yale crowd. In the 155 pound class, Cooper was winning his match until Captain Nichols of Yale slipped a knockout punch over on him in the second round.

Freshmen Win Two

For the freshmen, Morotta, the Engineer lightweight, took a clearcut decision victory from the Eli entry. In the 145 class, Carey of Technology, though out-weighed ten pounds, de feated his opponent on a judges' decision. All the matches in the freshman classes were decided by the officials, no knockouts being scored.

Natators Lose To Rensselaer And To Williams Swimmers

Purple Relay Set Two Records And R. P. I. Man, New Diving Mark

In their two meets over the weekend, the M. I. T. swimming team ran into some stiff competition in Rensselaer Polytechnic Institute and Williams, losing to these teams by the scores of 62-15 and 60-17, respectively. In both meets new records were set by the winners.

Williams' relay teams gained themselves distinction in setting two new collegiate records. The 300-yard medley relay team composed of Bixby, Gilfillan and Beatty covered their distance in the time of 3 minutes, 24 and 7-10 seconds. Kerr, Doran, Beatty and Swayze, the 200-yard relay team, set onds for the new record in that event. Saturday, the following night, Ray 106 points in his event, eclipsing the old collegiate mark by nine and a half coffey, lf. Mireszewski, Rensselaer diver, scored

Lutz Stars for M. I. T.

Lutz, the M. I. T. sprint man, had the distinction of being the only one on his team to take a first place in either meet. He took first in both the 50 and 100 yard free style against R. P. I., and took second in these same events against Williams.

Other men scoring in the two meets

440-yard—Henning, 2nd Williams, 3rd Rensselaer.

300-yard medley-Turner, 3rd Williams 2nd Rensselaer.

Dive-Lynch, 3rd Williams, 3rd Rens-150-yard backstroke—McNeil, 3rd Wiliams, 3rd Rensselaer.

100-yard-Baker, 3rd Williams. 200-yard breast—Turner, 2nd Williams, 3rd Rensselaer.

VARSITY BOXING TEAM

The Varsity Boxing Team Picture will be taken on Wednesday, Febru- number of Coca Cola consumed anary 18, at 5:15 o'clock. Varsity men report in uniform at 5:00 o'clock in tles, they would extend for a distance the Hangar Gym.

Students "Discover" Building Two Crack

Aroused by the construction work going on at the site of Building 6, several Technology students have become alarmed upon observing a long crack running along the floor of Building 2. This crack, however, is not a mournful sign of disintegration of the concrete or undermining of the foundation, caused by placing the piles for Building 6, but was caused by the normal settling of the building. The crack has been there for some time but went unnoticed by the general student body until lately.

BASKETEERS DEFEAT ST. MICHAEL'S 38-26

(Continued from Page One) and as the added attraction for Sat urday night, the Beaver Key Society will give a dance following the game. Summary of the St. Michael's game:

M. I. T.

Fd. G. Fl. G. Pts. $\frac{4}{0}$ $\frac{2}{0}$ $\frac{10}{0}$

_	>0	11	
	Stockwell, lg., rg 0	0 5	0
	Motter, e 2		9
	Brockelman, c 0	0	$\frac{3}{0}$
I	Sysko, rg 0	3	
	Feustel, Ig 6	2	14
9	Johnson, Ig 1	()	2
1			
ì	Totals13	12	38
	St. Michael's		
t	Fd C	Fl. G.	Pts.
9	Mahoney, Ig 2	0	
	Tierney, rg 1		4 7
. 1	Sears, c 2	$\frac{2}{3}$	7
3	Dupuis, c 1	ű	,
1	McGowan, If 0	ö	$\frac{2}{0}$
, I	Maynes, If 0	ĭ	ĭ
۱ ۱	Devine, rf 2	4	8
1			_
, }	Totals 8	10	26
}	Referee, Kelleher,		
١,	Score at half: M. I. T. 22, S	St. Micl	ieal's
- 1	1.0		

Students of Emory College consume approximately 993 bottles of Coca Cola each day, according to the paper of this college. It is estimated that if the liquid were poured out on the campus, in ten years Emory would have a lake 200 feet long, 25 feet wide,

and 25 feet deep; and if the total nually were placed end to end, in bot-

of 46 miles.

BEAVERS LOSE TO N.Y.U. IN CLOSE MEET

(Continued from Page One)

rings. The side horse was one of the closest of the day's events, with Witzig and Glant only a few points ahead doubt was evidenced on the part of the judges as to who really should get the counters for the event. Glant and Witzig were finally given first and second, and Captain Knapp had to be satisfied with third.

Witzig was the nucleus of the N. Y. U. team of course, the entire team being built around him. As a usual thing, a one-man team is not very successful, but this one showed the result of careful managing and training, to an extent which made it possible for them to take over Technology. Had there been a different decision in even one third place, the score would have been tied.

The summary follows:

Flying Rings—First, Witzig, N. Y. U.; second, Lawsine, M. I. T.; third, Treadwell, M. I. T.

High Bar-First, Witzig, N. Y. U.; second, Cantor, N. Y. U.; third, Freeman, M. I. T.

Tumbling—First, Abbott, M. l. T.; second, Freeman, M. l. T.; third, Witzig, N. Y. U.

Rope Climb—First, Ericson, M. I. T.; second, Knapp, M. I. T.; third, Barnett, M. I. T. Side Horse-First, Glant, N. Y. U.; second, Witzig, N. Y. U.; third, Knapp, M. I. T.

Parallel Bars—First, Witzig, N. Y. U.; second, Ericson, M. I. T.; third, Glant, N. Y. U.

At Minneapolis, students who will

attend the Junior Ball will be able to see themselves in the movies at a matinee show to be given at 4.30 o'clock the same morning. A Paramount cameraman will take the sound pictures of the grand march at 11 o'clock and will rush them to the studios to have them developed in time for the matinee.



Open 7:30 A. M.-3:00 P. M. 136 Massachusetts Ave. Opposite Aeronautical Laboratory

WRESTLERS DOWNED BY MILITARY TEAM

Army wrestlers won a decisive victory over the Technology grapplers last Saturday at West Point, 28 to 8. Vassalotti and Swope won their of Knapp on the scorer's sheet. Some matches for M. I. T., the former winning on a fall in three minutes and forty-four seconds.

Tomorrow night the team will meet Harvard in the Hangar Gym. Summary of the Army meet:

Summary of the Army meet:

118 pounds—Momm (A.) defeated Ripin.
Time advantage—4:17.

126-pound class—Adams (A.) threw
Pearson. Time—4:14.

135-pound class—Speiser (A.) threw
Shea. Time—8:03.

145-pound class—Swallow (A.) threw
Pittbladdo. Time—3:25.

155-pound class—Vassalotti (M. I. T.)
threw Shinberger. Time—3:44.

165-pound class—Swope (M. f. T.) deeated De Garne. Time advantage—1:25.

175-pound class—Fischer (A.) threw
Klein. Time—2:50.

Peavyweight—Lincoln (A.) threw Penny Time—2:59.

SIMPLEX WIRES and CABLES

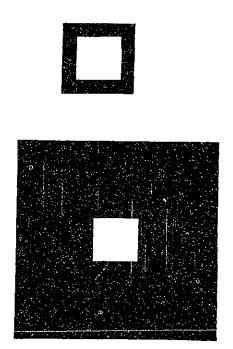
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OFFICIAL BULLETINS

OF GENERAL INTEREST

Building Construction

Mr. Thomas F. McSweeney Monday, February 16, 10:00 A.M., Room 1-134

A course of illustrated lectures on "The History of the Art of Building" will be given under the auspices of the department of Building Construction during the second term by Mr. Thomas F. McSweeney '16, on Mondays, from 10:00-12:00 A.M.

Open to students and members of the instructing staff.

Welding

Mr. Peter P. Alexander Monday, February 16, 4:00 P.M., Room 4-156

A series of lectures on "The Metallurgy of Welding and Its Industrial Application" will be given under the auspices of the Department of Mining Engineering and Metallurgy on Mondays, February 16-May 25 inclusive, by Peter P. Alexander, Research Engineer, Thomson Research Laboratory, General Electric Company.

Open to students and members of the instructing staff.

CALENDAR

Monday, February 16

5:00-6:00 P.M.-Instrumental Club rehearsal, East Lounge, Walker Memorial.

6:00-9:00 P.M.-Alpha Phi Delta meeting, Faculty Dining Hall, Walker

7:30 P.M.—Tech Show rehearsal, Walker Gym.

Tuesday, February 17

5:00-6:00 P.M.-Banjo Club rehearsal, East Lounge, Walker Memorial.

7:00 P.M.-Tech Show rehearsal, Walker Gym. 7:00 P.M.—Interfraternity Basketball, Hangar Gym.

7:30 P.M.—Wrestling match with Harvard, Hangar Gym.

Wednesday, February 18

5:00 P.M.-Banjo Club rehearsal, East Lounge, Walker Memorial. 7:30 P.M.—Tech Show rehearsal, Walker Gym.

7:00 P.M.—Interfraternity Basketball, Hangar Gym. 7:00 P.M.—Instrumental Club rehearsal, East Lounge, Walker Me-

Student Editors Give Opinions On College Football

Professionalism Regarded As Creeping Into Games Of Today

That profesionalism is becoming too marked in college football is now the opinion of even the student editors of the southern colleges. When opinions are hazarded by men of the South they carry a certain weight with them; for in that part of the country the boys take their football seriously. But what the editors say does not agree wholly with the clamor put forth by those who regard football as overemphasized.

"I think college football in general is tending very definitely toward the professional," says Editor Dun-gan of the North Carolina "Daily Tar But Editor Sayre of the University of Virginia, "College Topics," remarks, "Here, all extra-curricular activities are on a strictly amateur basis." Editor Moore of Georgia's "Red and Black" upholds Dungan "College football is becoming professionalized gradually, which is certainly unfortunate because of the III feelings aroused between nonsubsidized athletes and subsidized and springs, for it can be detected in Mines. athletes, scholarly athletes and the

Continuing this opinon, Editor Harris of the "Athenaeum" of the University of West Virginia states, "I wouldn't go so far as to say that football has become professional, but it is certainly reaching a stage which borders on professionalism, and unless something is done to curb this trend, it will be there soon." This editor This editor also thinks that modest scholarships should be allowed for unusual football talent, on account of the com-

In a recent survey of student editors in the South it has been found that they are unanimous in their desire for the best possible coaches. It is likewise agreed by the majority that the long schedule should be shortened and that a method of letting the public view the games should be con-

On the whole it can be said that they; want the sport as their own game, with the best coaching, but without interference of the alumni; they want good teams, but without subsidized players; they do not care to ban the public from the games, but do not want the game played primarily as public entertainment.

NEW EXAMINATION METHOD FAVORED

(Continued from Page Two) sections. It is expected that the honors students work mostly under the guidance of a general counselor from the staff of the department and special conferees from other departments in which these students take subjects, rather than by attending set

It is hoped by the department that this system will give the Institute more flexibility in treating its students individually, and to allow a greater amount of self-education to those who have the ability to profit

HUNTRESS LECTURES TO LARGE AUDIENCE

Illustrates His Address to Art Society With Slides .

(Continued from Page One) Agriculture for use in candies, ice

cream, soft drinks, and other articles of food, and Dr. Huntress brought out that this country consumes more than 350,000 pounds of these colors each years. Turning to the subject of indicators of acidity or alkalinity, Dr. Huntress prepared a sample of Phenolphthalein from carbolic acid and phthalic anhydride. The substance being used as an indicator but also as a mild laxative in gums and tablets is manufactured quite exten-

By making minor alterations on the molecular structures a new indicator is made and following treatment with chusetts, was an eminent physician iodine two new indicators can be The first is used extensively made. by landscape men to test the acidity of soil in the growing of golf greens and the planting of shrubs, while the second finds use in X-ray pictures, being absolutely opaque to that type of ray.

If oxygen is combined with phenolphthalein, a new substance, fluorescein is the result and it is used greatly in the detection of the flow of lost rivers water to the slight extent of one part in forty million, Some of the solid dye is dropped into a stream, explained Dr. Huntress, and its reappearance is sought for in the surrounding territory. Common mercurochrome is the product of fluorescein, bromine and mecurihydroxide.

Rope Marking Invented Here

In the Technology recently a substance was discovered with which to mark rope. Previously it could only be tagged and this wore off rapidly and if a rope broke from a defect there was no way of tracing the manufacturer. Now a central strand is marked with a substance that is visible only with ultra violet light and which clings to the rope for its entire life. Each company has its own color and thus may be identified.

Among other interesting experiments shown at the lecture were the explosion of nitroglycerol simply by hitting it with a hammer. Dr. Huntress concluded his lecture with an unusual demonstration never before shown at Technology, in which brilliant visible light was evolved at ordinary temperatures by the combination of two organic compounds and a ghost-like effect was produced by dipping in cloths and tossing them about the room.

HARVARD UNIVERSITY .- Sophomores must pass an examination of 2,725 questions, covering nearly every department of college education. This comprehensive quiz requires twelve hours to answer.



DORMS GIVEN NAMES AT FORMAL BANQUET

Names Chosen Those of Noted Technology Graduates

pitality Committee and Dr. and Mrs. Karl T. Compton were the guests of the Dormitory Committee.

Dr. Compton was the first speaker on the program relating several of his experiences during his student life at Princeton, and expressing his admiration of the student government in the dormitories.

Following Dr. Prescott's speech and announcements, Mr. Harold P. Champlain '31 toastmaster, introduced Phillip F. Frink, '31, chairman of the dormitory committee, who accepted the proposed names and expressed the grati tude of the dromitory residents toward those responsible for the new addition to the dormitories.

Dancing Follows Reception

Immediately after the dinner a reception was held in the Trophy Room for President Compton. Those in the receiving line were Dr. and Mrs. Karl T. Compton, Dr. Samuel W. Stratton, Professor and Mrs. Leicester Hamilton, and Phillip F. Frink '31. The ushers were William Harig, Jr. '31 head usher, Philip A. Cooper '32, Robert M. Kimball '33, John H. Minnick '31, John K. Minami '31, William H. Otis '31 and Benjamin P. Hazeltine, 3rd '31.

Many took advantage of the opportunity made available by a state of open house and made a tour of inspection of the dormitories. Free bowling and pool attracted many others until the dancing started. The music was furnished by Ruby Newman and his Ritz Carlton orchestra and dancing continued until three o'clock in the

All Names of Prominent Men

The late Charles W. Goodale '75, for whom one of the units has been named, was a mining engineer of Butte, Montana, a pioneer in the development of mining in the West, and had been most active and generous in the behalf of the Institute. James P. Munroe '82, died in 1929. He was a member of and long the secretary of the Corporation of Technology. Charles Hayden '90, of New York, is internationally known as a banker. He is a member of the Corporation and a patron of arts and industry.

Albert F. Bemis '93, of Boston, is prominent in business, is a member of the Corporation and for years has been active in the interests of his alma mater. Kenneth F. Wood '94, of Central Fails, Rhode Island, was a distinguished engineer and manufacturer, and was a large donor to the building fund of the dormitories. William W. Walcott '01, of Natick, Massaand an efficient State Health Officer, who died in the service of the United States Medical Corps in France during the World War.

Intercollegiates

A course in slide rule operation is being given at the Colorado School of

quired to take a six hour course in How to Study."

It is against the rules of the University of Michigan for one student to give another a "lift."

The "honor system" at Ohio State University was refused by thirty-five law students.

In the survey of freshman woman conducted at the University of Syracuse, 33.5 per cent of the women said that they had smoked cirgarettes during their high school years and this number was increased to 41 per cent for those who smoked in college.

Dr. John Grier Hibben has announced his intention of retiring as president of Princeton University in June, 1932, when he will have completed a term of twenty years as its administrative head.

Championships in football and track among the four major sports featured the University of Michigan's athletic record during the past calendar year. Among the minor sports the Wolverine teams captured Big Ten titles in tennis, hockey and wrestling.

DUKE UNIVERSITY SCHOOL OF MEDICINE Durham, N. C.

On October 1, 1931, carefully selected first and third year students will be admitted. Applications may be sent at any time and will be considered in the order of receipt. Catalogues and application forms may be obtained from the Dean.

BOOK LIST

PROSPERITY FACT OR MYTH, by Stuart Chase. Bonibooks.

Was prosperity a fact or a myth in the United States from 1922 to 1929? The answer to this question depends, according to Mr. Chase, entirely upon which class of people one has in mind. The owning class was prosperous in 1922 and is still more prosperous today. . . . The lower sections-always the majority-of the middle class were under the budget (then) and are still under it. . . . The farmers are worse off than they were in 1920." Further judgment, he rightly claims, will depend on the definition assigned prosperity and on the norm adopted. A business man's prosperity has been with us; but prosperity in a deeper sense, entailing security and a modi-cum of leisure,—"freedom from economic fear of old age, sickness, unemployment, time to turn around as one labors, contemplate the sun, the stars. and the meaning of life; time to dance, to play, to eat, drink, and make merry," in other words the "life more abundant,"-this we have not to any appreciable extent had.

The facts and opinions which make up the bulk of Mr. Chase's book are so interrelated and significant that it is difficult to select any particular ones for mention. He writes in a brisk and entertaining manner, and the infusion of a charming personality and quick wit into pages of statistics results in a most pleasant combination. The book is as full of human interest as any novel. Its worst fault lies in the fact that it was written over a year ago and that the winter of 1930 is not included to round it

From his study of economic forces and conditions, Mr. Chase has come to the conclusion that the automobile industry was the keynote of this last era of prosperity. "When all is said and done," he states, "I come back to the motor car and the psychological reactions it has engendered as the chief factor in the creation of what we call American prosperity. . . . A car! My car!! Is there a mathematician with a slide rule long enough to compute the total emotional force which these two phrases have touched off in the last decade.' Mismanagement is to blame, to Mr.

Chase's mind, for the present depression. Yet there has been developed within the last decade a beautiful technique and science of management. "Given a free hand," says Mr. Chase, "it might remake American industry humanly as well as technically. Given a free hand it might abolish poverty. He claims, "Prosperity in the deeper sense awaits the liberation of the engineer. If the owners will not get off his back—and why should they; they pay him little enough and he fills their safe deposit boxes?-I for one should not be sorry to see him combine with the wayfaring man to lift them off. A complicated technical structure should be run by engineers, not by hucksters,"

D. R.

Uruguay and Peru severed athletic All freshmen at Ohio State Uni- relations a few weeks ago. Five peoversity who are on probation are re | ple were killed in a fight on the field following a football game.

The attendance at Harvard football games this year dropped 53,895 from

The United States government has lost more than a quarter of a million dollars on students who have failed at

West Point. In an intelligence test at Franklin College, only one student knew that persons under 21 years of age could not vote in the United States.

Students at Barnard College, New York, are being taught how to sleep.



On your radio Tuesday . . listen to Lorna Fantin, famous numerologist. She'll tell you how names and dates affect success in business, love or marriage. A real radio thrill.

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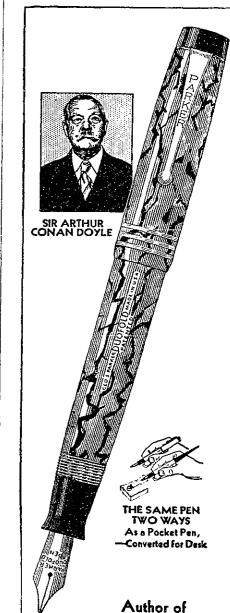
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The late Sir Arthur Conan Dovle wrote reams of manuscript-tried all sorts of pens. Came the day, as it has to 26 million others, when he discovered the Pressureless-Writing Parker Duofold. "I have at last met my affinity in pens," he said. You, too, can gain great aid from this Pen that lets you write without strain, and think without irritation. Go to the nearest pen counter and look for the name—"Geo. S. Parker—DUOFOLD" on the barrel. That Guarantees the genuine for Life.

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